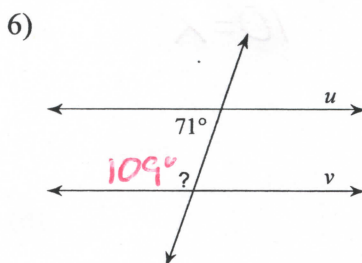
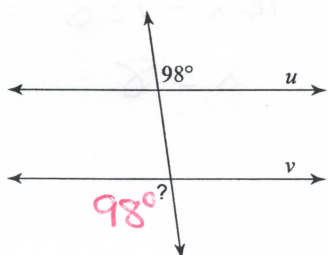
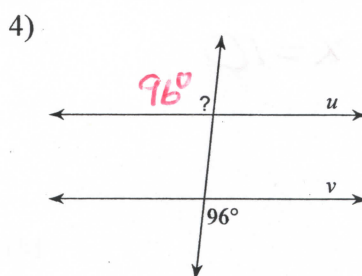
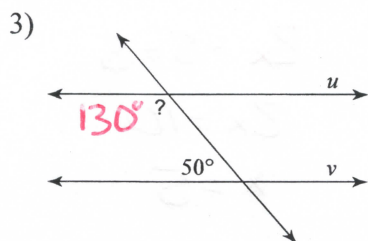
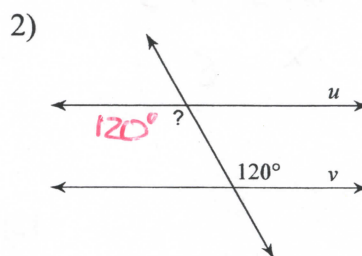
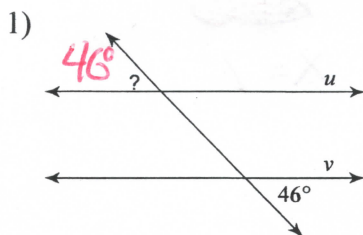


Unit 3 Worksheet 4

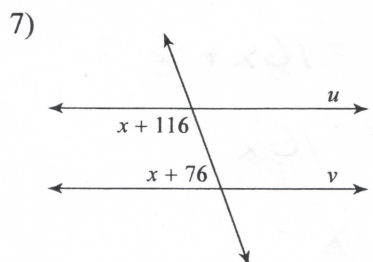
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Date _____ Period _____

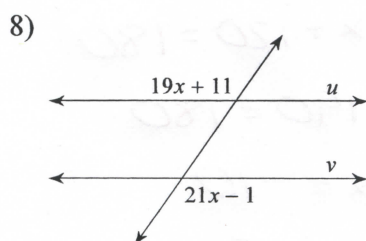
Find the measure of the indicated angle that makes lines u and v parallel.



Find the value of x that makes lines u and v parallel.

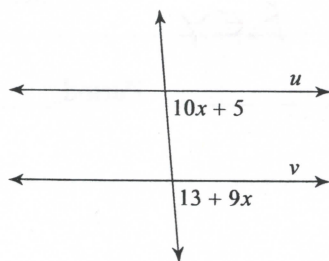


$$\begin{aligned} x + 116 + x + 76 &= 180^\circ \\ 2x + 192 &= 180 \\ 2x &= -12 \\ x &= -6 \end{aligned}$$



$$\begin{aligned} 19x + 11 &= 21x - 1 \\ 11 &= 2x - 1 \\ 12 &= 2x \\ 6 &= x \end{aligned}$$

9)

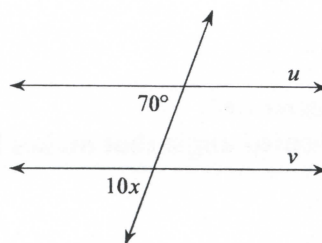


$$10x + 5 = 13 + 9x$$

$$x + 5 = 13$$

$$x = 8$$

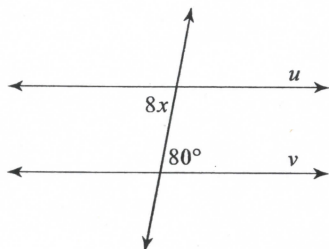
10)



$$10x = 70$$

$$x = 7$$

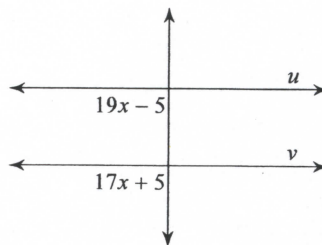
11)



$$8x = 80$$

$$x = 10$$

12)



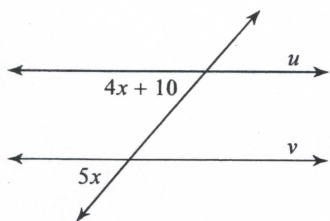
$$19x - 5 = 17x + 5$$

$$2x - 5 = 5$$

$$2x = 10$$

$$x = 5$$

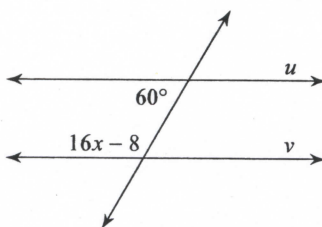
13)



$$4x + 10 = 5x$$

$$10 = x$$

14)

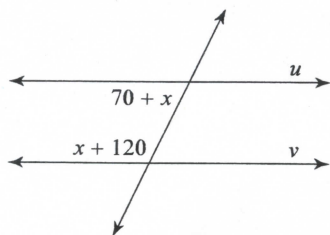


$$16x - 8 + 60 = 180$$

$$16x = 128$$

$$x = 8$$

15)



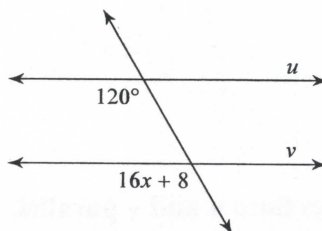
$$70 + x + x + 120 = 180$$

$$2x + 190 = 180$$

$$2x = -10$$

$$x = -5$$

16)



$$120 = 16x + 8$$

$$112 = 16x$$

$$7 = x$$